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Course Summary Report

Year

Period

Division

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Tools

Course SLOs

Note: [Course SLO Summary Evaluation Form is available.](#)

#SLO Statement	# of Students Assessed	# of Students who Met SLO	% of Students who Met SLO
Students will demonstrate their ability to use safe work practices by understanding safety standards and passing a specific safety test and by demonstrating safe work practices and using required personal protective equipment in the diesel laboratory at all times.	120	105	87.50%
² Students will demonstrate their ability to understand the two and four stroke combustion cycles by evaluating text-book descriptions and actual engines and accurately	120	91	75.83%

#SLO Statement	# of Students Assessed	# of Students who Met SLO	% of Students who Met SLO
outlining each type of engines' intake, compression, combustion and exhaust sequences.			
The student will demonstrate their ability to perform the basics of diesel engine rebuilding from start to finish by analyzing rebuilding procedures and correctly disassembling, performing basic inspection, and correctly reassembling a diesel engine.	120	87	72.50%

2 Assessment Methods & Criteria

- The department has chosen to use multiple choice questions for each above SLO. Questions for each SLO are chosen from material taught in the classroom and performance within the lab area. The department has chosen 60% to be a passing grade for the course.

3 Section(s)

- DIESEL-021-01 for 2017SP
 - DIESEL-021-02 for 2017SP
 - DIESEL-021-01 for 2016FA
- The department has chosen to use multiple choice questions for each above SLO. Questions for each SLO are chosen from material taught in the classroom and performance within the lab area. The department has chosen 70% to be a passing grade for the course.

6 Section(s)

- DIESEL-021-01 for 2019SP
 - DIESEL-021-01 for 2018SP
 - DIESEL-021-10 for 2018SM
 - DIESEL-021-01 for 2018FA
 - DIESEL-021-10 for 2017SM
 - DIESEL-021-01 for 2017FA

8 Reflection(s)

- The SLOs reflect reading comprehension has improved. Students are relating to the lecture and the lab due to more diagrams along with descriptive details and essays that are being applied to the classroom work. It is the 5th semester using more diagrams within the lecture to supplement the text books. The newer programs that the department invested in to use with lecturing has improved the understanding of the program. The department is looking into other ways to distribute the information as vehicles get more complicated in the future. (DIESEL-021-01 for 2016FA)
- The SLO reflects low reading comprehension. . The department has implemented more use of diagrams within the lecture of the class and the evaluation of the lecture has prompted change within the process. The class is a 19 week program. This fall the department is changing to the 8 week program for evaluation of too much time between class lecture and

lab. The department's decision to change to the 8 week course will be evaluated in December of 2017. This evaluation will consist of whether the time between classes will strengthen the understanding the students will have on the material covered within the classroom and the lab. The increase use of diagrams and components used within the classroom have benefited the students understanding of the concept of the diesel engine but the long weekends between classroom activities have shown to be challenging because the beginning of every week a simple quiz of what was covered the week before shows a need for change. Having an opportunity to compare the 8 week course to the 19 week course will give better understanding of student's needs. Also this semester the department has increased the value of success. In previous classes the value of success was set at 60%. The value has been raised to 70% this year to enhance the quality of the program and the students that complete the program.

(DIESEL-021-01 for 2017SP)

- This class consist of High school and College students. It is the first cohort between the high schools and the college. The class was a great success with a few observations for next semester. The high will perform a survey questioner to better equip the high school students on their goals and set skills. This is a great advantage for high school students and college goals. The summer class will continue with the cohort and be better equipped with books and workbooks with the lecture and newer components for display during the lab. The building blocks to success are those that our department observed and will address to better present to the students. There is a need for several more classes to adjust to this new adventure. the department is looking to have a increase in students complete the class and a raising the bar from 60% 70% success in the SLO will benefit the students in the future. The language barrier between students of different cultures will always be changeling but the Diesel department is working with DSPS to over come some of those difficulties. December 2017 will bring a great experience to the department as we adjust for success.
(DIESEL-021-02 for 2017SP)
- The department has implemented more use of diagrams within the lecture of the class and the evaluation of the lecture has prompted change within the process. The class is a 5 week program. The department's decision to change to the 5 week course has been evaluated in Oct of 2017. This evaluation has determined that the 5 week semester has strengthen the understanding the students have on the material covered within the classroom and the lab. The increase use of diagrams and components used within the classroom have benefited the students understanding of the concept of the diesel engine. Having an opportunity to compare the 5 week course to the 19 week course has given better understanding of student's needs.
(DIESEL-021-10 for 2017SM)
- New instructor evaluating the process that was used in class between power points, using blackboard, and diagrams. Will add more diagrams in next semester and monitor student success.
(DIESEL-021-01 for 2018SP)
- Working very hard to make sure the students understand the material and are gaining the knowledge they need to succeed in the industry. I will continue to teach my students the information they need to succeed.
(DIESEL-021-10 for 2018SM)
- Some of the students already had a mechanical background and did very well with learning Diesel engines. Some had no mechanical experience and tried hard to gain the knowledge needed to succeed in class and did well. A few others struggled to comprehend the material and did not do all of their homework, some possibly were here only because they thought it would be an easy class. In future classes, I will continue to work hard to make sure that those students who want to be here and learn the material will have every opportunity to succeed in the program and in the Diesel industry.
(DIESEL-021-01 for 2018FA)

- Some of the students already had a mechanical background and did very well with learning Diesel engines. Some had no mechanical experience and tried hard to gain the knowledge needed to succeed in class and did well. A few others struggled to comprehend the material and did not do all of their homework, some were here only because they thought it would be an easy A and didn't feel they needed to put forth the effort. (DIESEL-021-01 for 2019SP)

9 Section(s) Reporting

- DIESEL-021-01 for 2019SP on 10/22/2019 4:14 PM
- DIESEL-021-01 for 2018SP on 10/22/2019 4:14 PM
- DIESEL-021-10 for 2018SM on 10/22/2019 4:14 PM
- DIESEL-021-01 for 2018FA on 10/22/2019 4:14 PM
- DIESEL-021-01 for 2017SP on 10/22/2019 4:14 PM
- DIESEL-021-02 for 2017SP on 10/22/2019 4:14 PM
- DIESEL-021-10 for 2017SM on 10/22/2019 4:14 PM
- DIESEL-021-01 for 2017FA on 10/22/2019 4:14 PM
- DIESEL-021-01 for 2016FA on 10/22/2019 4:14 PM

1 Section(s) Not Reporting

- DIESEL-021-30 for 2019SM

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